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HYDROLOGICAL MEMORANDUM 16

RAINFALL OVER THE CATCHMENT AREAS OF THE SOMERSET AND THE BRISTOL AVON RIVER BOARDS 1916—50

by

Miss H. Rowsell

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HYDROLOGICAL MEMORANDA NO. 16

Rainfall over the areas of the Somerset and Bristol Avon River Boards

1916–1950

1. Rainfall, 1916–1950;

1.1. Introduction. The estimation of standard-period averages for the months or for the year, is carried out in three stages; the selection of sound, homogeneous records complete for the 35 years, 1916–1950, which provide arithmetic means of monthly and annual rainfall, the basic values for all other work; the estimation of standard-period, annual averages for short-period stations; the estimation of standard-periods, monthly averages for stations in the second group, where these are needed for special purposes.

A detailed account of the methods developed and used in the Meteorological Office (M.O.3) to estimate standard-period averages from short-period records, is given in Hydrological Memoranda No. 5.

It is possible to process the data in a number of ways but the maps and tables are presented here in the simplest, most precise forms in order to be of use to a wide range of enquirers.

1.2. The Primary Survey, for Great Britain and Northern Ireland, of stations with complete records during 1916–1950, included some cases where the site had been changed to one with a better exposure and observations from both sites had been recorded for a few years. Attempts were made to amend the earlier readings by comparison of the data during a period of overlap, in order to have a set of values from 1916, to the date of the change, which would be representative of the later, and better, record. But since the earlier exposures were usually unsatisfactory (being over-exposed or over-sheltered), the results were mostly erratic and the amended sets of values were not homogeneous. In a few cases, small breaks in a long record were completed by using estimated values, based on a nearby station, with or without the use of a modifying factor.

Of the many records examined, monthly and annual averages were accepted for 17 stations, 11 for the Somerset and 6 for the Bristol Avon River Boards. The accepted values (in inches), together with the proportions (per cent) of each monthly average to the annual average, are given in Table I together with the altitude and the National Grid reference for each station. Most of these averages were included in the H.M.S.O. publication, M.O.635, "Averages of Rainfall for Great Britain and Northern Ireland, 1916–1950", some were omitted because other stations were so near.

The percentage proportion of monthly averages to the annual averages for the long-period stations were used to draw a series of twelve monthly maps from which it is possible to estimate the percentage of average annual rainfall, for any place, for each month of the year. These maps are shown as Figure 1. Values estimated for a few points between the isopercental lines have been added to give a clearer indication of the variations from place to place. The points chosen are not necessarily the same for each map.

1.3. The Secondary Survey of short-period stations was undertaken next, using records up to the time of the survey, usually into the late 1950's. Long-period stations, whose averages had been rejected from the Primary Survey because the record was not homogeneous, were examined again and averages were estimated for the later (and usually improved) part of the series of observations. Averages based on data for less than 5 years were not usually accepted for publication. A list of the accepted averages, for the short-period stations, is given in Table II together with the altitude and National Grid reference for each. The stations are listed in an order based on natural drainage areas which will be used for the first time in British Rainfall, 1961.

These averages, together with the long-period averages listed in Table I, were plotted on Ordnance Survey Maps (scale 4 miles to the inch), and used to draw the lines of average annual rainfall, 1916-1950. The map is shown as Figure 2. The Secondary Survey is frequently revised for special areas using the most up-to-date observations for relatively new stations and the map is subject to revision from time to time. The re-drawing of the isohyets usually results in greater detail and perhaps a clearer definition of a wet area as more and more observations become available from improved River Board networks of rain-gauges. Drastic changes are not expected. In Tables I, II and III, with a few exceptions, the average quoted are for records still being maintained in 1963.

1.4. Monthly Averages for a further group of stations were next estimated for use in the Monthly Weather Report and for enquiries. For this purpose some stations were chosen from those listed in Table II to supplement those listed in Table I. To find the monthly averages, the monthly proportions (per cent of annual average) were chosen from the equipercental maps (see Figure 1) so that the total for the twelve months was 100. These monthly percentages were then used to apportion the annual average (in inches) amongst the months. The results are given in Table III.

1.5. Daily Rainfall, 1916-50. 3 of the initial 17 records which were accepted for the Primary Survey (1.2) were analysed further. These records had regular daily entries, for the 24-hour period 0900 to 0900, for each of the 35 years, 1916-1950. Table IVa gives the 35-year totals for each day of the year (in inches) for each of the stations. Table IVb gives 1/35 of all possible totals from .17 in to 24.67 in, thus providing a reduction table for the values in IVa to give average daily falls from "trace" to .70 in. For 29 February the reduction factor is, of course, 1/9.

These daily averages can be re-grouped as 5-day means, 7-day means, consecutive or sliding means or in whatever form suits a specific requirement.

2. Frequencies of Daily Rainfall, 1916-1950. The same set of daily values used for Table IVa were re-grouped to give frequency tables with intervals of .01 inch. These have been re-arranged in Table V, to give accumulated frequencies with intervals of .10 in up to 2.50 in and a wider grouping above this.

3. Extremes of Rainfall. The records for the 35-year period, 1916-1950, for the stations used in Tables IV and V were also used to find maximum and minimum values for the year and for each month and also maximum daily values for each month. These maxima and minima are given in Table VI and Table VII. Additional extremes are given in these tables to cover the 50-year period, 1911-1960.

Appendix I.

Intense Falls. Falls of 2 hours or less, which have been recorded in British Rainfall and rank as "noteworthy", "remarkable" or "very rare" are listed in Appendix I.

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TABLE I. Monthly and Annual Averages of Rainfall, 1916–1950, (in inches)

Somerset and Bristol Avon River Board Areas.

County	Name	Alt. ft.	N.G.R.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	
								Somerset River Board									
Somerset	Dunster	160	SS(21)989437	3.89	2.67	2.28	2.27	2.27	1.64	1.34	3.01	2.88	3.72	4.18	3.99	35.14	Inch
				11.1	7.6	6.5	6.4	6.5	4.7	6.6	8.6	8.2	10.6	11.9	11.3	100.0	%
"	Crewkerne	425	ST(31)437086	3.55	2.50	2.28	2.20	2.47	1.80	2.82	2.78	2.83	3.63	4.02	3.82	34.70	Inch
				10.2	7.2	6.6	6.3	7.1	5.2	8.1	8.0	8.2	10.5	11.6	11.0	100.0	%
"	Pen Mill Sewage Works	100	ST(31)572162	3.29	2.32	2.07	2.07	2.38	1.77	2.70	2.83	2.73	3.50	3.70	3.39	32.75	Inch
				10.1	7.1	6.3	6.3	7.3	5.4	8.2	8.6	8.3	10.7	11.3	10.4	100.0	%
"	Taunton, Vivary Park	71	ST(31)229238	3.00	2.10	1.95	1.94	2.24	1.67	2.23	2.32	2.44	3.06	3.26	3.09	29.30	Inch
				10.2	7.2	6.7	6.6	7.7	5.7	7.6	7.9	8.3	10.4	11.1	10.6	100.0	%
"	Millfield	100	ST(31)492363	2.76	1.97	1.84	1.94	2.29	1.94	2.71	3.05	2.55	3.11	3.08	2.84	30.08	Inch
				9.2	6.6	6.1	6.5	7.6	6.5	9.0	10.1	8.5	10.3	10.2	9.4	100.0	%
"	Charlton	481	ST(31)630433	3.81	2.82	2.35	2.54	2.81	2.41	3.59	3.94	3.18	4.16	4.18	3.87	39.66	Inch
				9.6	7.1	5.9	6.4	7.1	6.1	9.1	9.9	8.0	10.5	10.5	9.8	100.0	%
"	Burnham, Manor House	24	ST(31)305494	2.82	2.02	1.77	2.00	2.16	1.61	2.57	3.22	2.61	3.20	3.16	2.81	29.95	Inch
				9.4	6.7	5.9	6.7	7.2	5.4	8.6	10.8	8.7	10.7	10.5	9.4	100.0	%
"	Wintrath	290	ST(31)436577	3.53	2.51	2.16	2.38	2.70	2.19	3.21	4.07	3.41	3.99	3.77	3.56	37.48	Inch
				9.4	6.7	5.8	6.3	7.2	5.8	8.6	10.9	9.1	10.6	10.1	9.5	100.0	%
"	Weston-Super-Mare	28	ST(31)318602	3.03	2.15	1.98	2.04	2.33	1.78	2.67	3.48	3.00	3.58	3.29	3.07	32.40	Inch
				9.4	6.6	6.1	6.3	7.2	5.5	8.2	10.7	9.3	11.0	10.2	9.5	100.0	%
"	Yatton	60	ST(31)473679	3.33	2.42	2.08	2.19	2.53	2.09	2.91	3.65	3.14	3.79	3.58	3.37	35.08	Inch
				9.5	6.9	5.9	6.2	7.2	6.0	8.3	10.4	9.0	10.8	10.2	9.6	100.0	%
"	Clevedon Pumping Station	50	ST(31)425715	3.01	2.13	1.96	1.98	2.34	1.85	2.99	3.47	3.10	3.54	3.25	3.06	32.68	Inch
				9.2	6.5	6.0	6.1	7.2	5.7	9.1	10.6	9.5	10.8	9.9	9.4	100.0	%
								Bristol Avon River Board									
Somerset	Gurney Slade	588	ST(31)631491	4.60	3.36	2.78	2.96	3.10	2.64	3.88	4.18	3.71	4.76	4.98	4.56	45.51	Inch
				10.1	7.4	6.1	6.5	6.8	5.8	8.5	9.2	8.2	10.5	10.9	10.0	100.0	%
"	Egford	270	ST(31)756480	3.92	2.75	2.32	2.34	2.52	2.09	3.11	3.35	2.89	3.91	4.13	3.86	37.19	Inch
				10.5	7.4	6.2	6.3	6.8	5.6	8.4	9.0	7.8	10.5	11.1	10.4	100.0	%
"	Downside Abbey	610	ST(31)654507	4.46	3.21	2.73	2.80	2.83	2.44	3.54	3.77	3.44	4.42	4.68	4.37	42.69	Inch
				10.4	7.5	6.4	6.6	6.6	5.7	8.3	8.8	8.1	10.4	11.0	10.2	100.0	%

TABLE I. Monthly and Annual Averages of Rainfall, 1916–1950, (in inches)

Somerset and Bristol Avon River Board Areas

County	Name	Alt. ft.	N.G.R.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	
							Bristol Avon River Board contd.										
Somerset	Charlcombe	288	ST(31)750668	3.12	2.42	2.06	2.15	2.30	1.95	2.97	3.08	2.74	3.42	3.38	3.10	32.69	Inch
				9.5	7.4	6.3	6.6	7.0	6.0	9.1	9.4	8.4	10.5	10.3	9.5	100.0	%
"	Bath	67	ST(31)754653	2.98	2.28	2.02	2.11	2.29	1.77	2.76	2.83	2.55	3.25	3.16	2.93	30.93	Inch
				9.6	7.4	6.5	6.8	7.4	5.7	8.9	9.2	8.3	10.5	10.2	9.5	100.0	%
Glouces.	Bristol, Hopewell Hill	386	ST(31)643742	3.17	2.28	1.98	2.01	2.41	1.90	2.88	3.07	2.77	3.42	3.24	3.07	32.20	Inch
				9.9	7.1	6.2	6.2	7.5	5.9	8.9	9.5	8.6	10.6	10.1	9.5	100.0	%

TABLE II Estimated Annual Averages of Rainfall, 1916–1950, (in inches)
for short-period stations
Somerset and Bristol Avon River Board Areas.

County	Station	Annual Average in.	Alt. ft.	N.G.R.
	Somerset River Board			
Somerset	Porlock Weir	43.76	60	SS(21)864479
"	West Dunkery	70.68	1581	SS(21)880418
"	Dunkery Beacon	69.18	1650	SS(21)892416
"	Minehead, Blenheim Gardens	33.40	37	SS(21)972460
"	Dunster Castle	35.00	100	SS(21)993434
"	Lype Hill	57.84	1320	SS(21)954367
"	Weacombe House	32.89	300	ST(31)109416
"	Kilve Court	33.40	150	ST(31)148427
"	East Quantoxhead	33.64	130	ST(31)138433
"	Dodington	37.70	330	ST(31)173407
"	Fairfield House	32.34	150	ST(31)186429
"	Whitewick Farm	31.05	10	ST(31)236453
"	Misterton	33.99	300	ST(31)458083
"	Norton Sub-Hamdon	27.53	126	ST(31)467177
"	Drayton	28.36	46	ST(31)407237
Dorset	Sherborne, Leafield Cottage	31.74	212	ST(31)644169
"	Sherborne, Barton Gardens	31.11	285	ST(31)628168
"	Sherborne S. Works	29.69	164	ST(31)629154
"	Chedington	37.21	605	ST(31)493059
Somerset	Sutton Bingham Reservoir	32.17	182	ST(31)556114
"	Queen Camel	29.49	100	ST(31)594248
"	Huish Episcope	28.85	65	ST(31)427268
"	Clatworthy No. 2	47.61	823	ST(31)057309
"	Bulland Lodge	44.64	790	ST(31)054274
"	Kyrle	39.82	525	ST(31)051220
"	Sampford Arundale	36.40	420	ST(31)112180
"	Leigh Reservoir	40.13	530	ST(31)197176
"	Bagborough	35.44	450	ST(31)177335
"	Taunton Rectory	30.00	90	ST(31)230242
"	East Lyng	29.61	43	ST(31)333289
"	Northmoor P. Station	28.01	23	ST(31)331330
"	Bridgewater, Blake Gardens	30.84	27	ST(31)300368
"	Durleigh	31.11	46	ST(31)274363
"	Bridgewater, Blacklands Street	30.70	18	ST(31)295373
"	Wembdon Hill	28.77	110	ST(31)280378
"	Castle Cary	32.85	290	ST(31)641319
"	Babcary	28.40	150	ST(31)573288
"	Somerton Erleigh	28.22	106	ST(31)501285
"	Ashcott, Bradley Cottage	28.44	114	ST(31)439365
"	Quantock Farm	37.73	1000	ST(31)157368
"	Over Stowey	39.26	550	ST(31)179384
"	Ashford Water Works	30.95	102	ST(31)236385
"	Cannington	29.93	95	ST(31)258400
"	Street S. Works	29.50	18	ST(31)481373
"	Gold Corner	27.82	12	ST(31)367431
"	South Brewham	36.20	350	ST(31)728358
"	Shepton Mallet S. Works	38.54	325	ST(31)601440
"	Bason Bridge	30.06	17	ST(31)348458
"	Highbridge	31.25	19	ST(31)350481
"	Burnham, Berrow Road	29.89	10	ST(31)304506
"	Elm Batch	38.37	237	ST(31)532478
"	Charterhouse	44.11	619	ST(31)490551
"	Cheddar P. Station	32.29	50	ST(31)452534
"	Winscombe, Mendip View	36.60	100	ST(31)415572

TABLE II Estimated Annual Averages of Rainfall, 1916–1950, (in inches) for short-period stations

Somerset and Bristol Avon River Board Areas.

County	Station	Annual Average in.	Alt. ft.	N.G.R.
	Somerset River Board			
Somerset	Sidcot	36.90	230	ST(31)428574
"	Winscombe Bore Hole	36.05	56	ST(31)407577
"	Bleadon	31.70	25	ST(31)340561
"	Blagdon Hill	43.24	550	ST(31)498587
"	Blagdon P. Station	38.74	112	ST(31)504604
"	Barley Wood	36.66	200	ST(31)479629
"	Yatton P. Station	34.47	17	ST(31)422659
"	West Town	36.19	80	ST(31)481680
"	Long Ashton	36.21	162	ST(31)537697
"	Wraxall Court	34.80	200	ST(31)489721
"	Redcliffe Bay	34.41	180	ST(31)441758
"	Walton-in-Gordano	33.61	80	ST(31)422733
"	Portishead, Bristol Road	32.67	20	ST(31)472755
	Bristol Avon River Board			
Glouces.	Shipton Moyne P. Station	33.42	312	ST(31)899887
Wiltshire	Pinkney Park	32.25	330	ST(31)863864
"	Norton Manor	33.23	326	ST(31)884844
"	Malmesbury, Elm Leaze	32.46	260	ST(31)935863
"	Littleton Drew	31.95	422	ST(31)832802
"	Tockenham Manor	30.21	380	SU(41)035811
"	Bowood House	31.33	306	ST(31)974699
"	Lyneham	28.83	456	SU(41)012786
"	Chippenham Waterworks	31.15	145	ST(31)919728
"	Leacock	29.15	160	ST(31)923702
"	Melksham, Forest Road	30.89	123	ST(31)909647
"	Great Chalfield	31.03	165	ST(31)858633
"	West Lavington	30.49	325	SU(41)000535
"	Upton Scudamore P. Station	33.35	305	ST(31)862482
"	Trowbridge, Bowling Green	29.30	131	ST(31)858577
"	Trowbridge, Upper Studley	27.05	180	ST(31)843562
"	Bradford-on-Avon, Frome Road	32.71	108	ST(31)825606
Somerset	Pondsmead	45.02	710	ST(31)634472
"	Wanstrow	40.34	445	ST(31)714418
Wiltshire	Ilford Manor	33.23	120	ST(31)801588
Somerset	Ammerdown House	42.60	490	ST(31)712527
"	Hinton Blewett Manor	41.37	500	ST(31)594570
"	Southstoke	33.55	525	ST(31)747619
"	Tucking Hill P. Station	33.91	135	ST(31)763616
"	Monkton Combe	33.04	450	ST(31)769621
Glouces.	Monkswood Reservoir	35.47	365	ST(31)755711
Somerset	Batheaston Reservoir	32.32	248	ST(31)769685
"	Lansdown	34.25	380	ST(31)733692
Glouces.	Bilton	31.57	100	ST(31)667699
Somerset	Chewton Mendip Priory	44.91	580	ST(31)590526
"	Sherborne	43.52	336	ST(31)592550
"	Pitt Farm	49.95	705	ST(31)561544
"	North Widcombe	37.75	216	ST(31)580577
"	Townsend P. Station	42.55	220	ST(31)572567
"	Harptree Hill	45.61	784	ST(31)543559
"	Heron's Green	38.01	179	ST(31)557591
"	Sutton Court	37.83	280	ST(31)597604
"	Ridgehill	38.59	400	ST(31)540625
"	Chew Stoke P. Station	37.65	202	ST(31)570619

TABLE II Estimated Annual Averages of Rainfall, 1916–1950, (in inches) for short-period stations

Somerset and Bristol Avon River Board Areas.

County	Station	Annual Average in.	Alt. ft.	N.G.R.
	Bristol Avon River Board			
Somerset	Upper Town	39.19	550	ST(31)525660
"	Felton	37.56	560	ST(31)520658
"	Chew Magna	37.59	342	ST(31)578657
"	Somerdale	30.31	58	ST(31)656695
Glouces.	Conham S. Works	32.98	50	ST(31)628720
Somerset	Long Ashton, School House	37.06	161	ST(31)547706
Glouces.	Filton	31.13	192	ST(31)598802
"	Hopefield	32.76	248	ST(31)589763
Somerset	Failand House	38.07	430	ST(31)516732

TABLE III Monthly Averages of Rainfall, 1916–1950, estimated for short period stations (in inches)

Somerset and Bristol Avon River Board Areas.

County	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Somerset	Cannington	2.90	2.10	1.89	1.95	2.22	1.62	2.48	2.84	2.57	3.17	3.20	2.99	29.93
"	Long Ashton	3.46	2.55	2.24	2.25	2.54	2.13	3.13	3.57	3.21	3.97	3.65	3.51	36.21
Wiltshire	Lyneham	2.80	2.10	1.82	2.05	2.19	1.84	2.57	2.48	2.39	2.88	2.97	2.74	28.83
"	West Lavington	3.01	2.13	1.86	2.10	2.22	1.83	2.61	2.49	2.56	3.10	3.16	2.98	30.05
Glouces.	Filton	3.05	2.15	1.96	1.96	2.27	1.84	2.83	2.99	2.77	3.27	3.08	2.96	31.13

TABLE IVa, 35-Year Daily Totals of Rainfall, in inches

1916–1950

TAUNTON

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	3.96	4.00	2.06	3.00	2.53	3.39	4.05	2.85	3.60	1.56	5.02	5.61
2	2.09	3.51	.98	3.38	2.95	1.37	2.88	2.84	4.07	1.95	3.63	2.60
3	2.45	4.26	2.05	3.12	2.10	1.46	1.62	2.76	4.67	2.51	4.50	2.28
4	2.36	2.40	2.98	3.14	2.17	3.22	1.47	3.42	1.61	3.67	4.45	4.66
5	2.13	2.37	4.00	2.41	1.99	1.98	3.82	2.44	1.65	6.09	4.33	2.00
6	3.93	2.95	2.31	2.29	1.96	1.46	3.27	2.12	3.31	2.35	4.12	4.60
7	1.71	2.92	1.93	2.44	3.17	1.55	2.41	2.06	2.34	4.33	3.88	4.15
8	2.19	2.94	1.44	1.22	1.26	1.47	2.15	2.99	1.31	3.13	4.73	4.32
9	4.11	2.60	1.20	2.22	2.12	1.74	1.72	2.58	2.59	2.64	3.49	3.28
10	5.00	2.14	1.97	2.90	2.36	1.35	1.18	2.00	1.22	2.58	2.57	4.88
11	4.27	1.86	2.46	2.02	2.06	2.07	2.49	2.75	.93	3.40	3.87	3.04
12	3.97	2.09	1.75	.98	2.91	2.30	1.50	2.02	3.80	1.90	2.18	1.42
13	2.28	1.28	2.32	3.61	.56	.80	2.48	2.15	1.84	2.81	3.72	3.44
14	3.46	1.54	1.81	2.78	2.14	2.00	5.10	1.73	4.44	1.94	3.44	4.17
15	4.34	1.18	1.40	2.35	2.53	2.94	6.11	1.59	1.75	3.20	3.30	2.86
16	1.60	2.66	3.32	2.94	1.56	1.35	.87	2.44	2.93	5.15	4.38	2.45
17	3.66	2.95	2.13	1.84	3.42	1.18	4.17	2.12	3.36	3.33	5.01	1.40
18	4.23	1.23	2.46	2.08	4.07	2.35	1.21	2.28	5.04	3.13	4.57	2.79
19	2.53	1.35	2.55	2.16	1.21	1.67	2.65	1.58	4.22	3.41	5.14	2.92
20	2.38	1.93	1.81	1.38	3.71	1.77	2.61	4.62	3.73	3.23	3.92	2.76
21	2.67	2.32	2.00	2.16	2.03	2.50	1.43	1.97	3.07	3.13	3.52	2.98
22	3.41	2.63	2.39	1.01	1.23	1.64	1.23	3.12	4.91	4.56	3.83	4.62
23	1.67	1.82	2.02	1.79	3.44	1.44	1.92	2.74	1.96	5.11	3.90	2.59
24	3.41	3.29	2.29	1.51	1.95	1.43	1.80	1.78	1.84	4.61	2.98	3.55
25	5.41	4.64	1.97	2.48	4.57	2.32	2.70	3.33	1.77	8.02	2.37	3.55
26	4.49	4.83	1.25	2.04	3.70	1.19	4.69	2.44	2.34	3.72	3.20	3.23
27	2.71	1.99	2.86	2.64	4.41	1.51	3.33	3.15	2.19	3.92	2.84	4.97
28	5.98	2.39	2.40	2.18	1.73	5.09	2.37	2.50	2.25	1.80	4.08	4.11
29	3.73	1.41	2.36	2.29	2.46	1.93	.94	5.73	3.31	4.33	2.80	4.07
30	4.25	–	1.37	1.40	3.90	2.04	1.94	2.23	3.42	2.32	3.75	4.01
31	4.62	–	4.34	–	2.11	–	2.10	2.06	–	4.09	–	5.00

TABLE IVa, 35-Year Daily Totals of Rainfall, in inches

1916–1950

STREET

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	4.68	3.94	1.79	2.37	2.40	3.88	3.10	3.78	2.84	2.03	5.12	5.25
2	1.86	3.51	1.37	2.86	2.87	1.44	2.68	4.58	4.13	1.65	3.51	2.67
3	2.54	3.49	2.01	3.75	2.09	1.69	2.44	3.81	4.49	2.56	4.17	2.44
4	1.72	2.35	3.27	2.15	2.11	3.53	1.89	4.85	2.99	3.20	4.20	4.24
5	3.35	3.07	2.93	2.89	2.50	3.01	2.91	2.88	3.04	5.23	5.93	2.55
6	3.13	2.62	2.36	1.99	1.80	1.27	3.92	3.98	1.67	2.59	3.81	4.48
7	2.05	2.49	1.84	2.91	3.15	1.80	1.91	2.45	2.04	4.22	3.72	3.33
8	1.98	2.70	1.60	1.92	1.68	1.74	3.25	2.70	2.14	3.76	3.79	3.34
9	2.75	2.66	1.31	1.35	2.04	2.06	2.48	2.43	2.83	3.03	3.23	2.76
10	4.06	1.65	1.73	1.73	2.73	1.70	3.40	3.28	1.31	2.11	2.74	3.84
11	3.25	1.36	2.02	2.18	1.97	2.47	3.43	2.59	2.02	3.09	2.94	3.12
12	3.38	2.11	1.70	1.13	2.43	3.73	3.52	3.55	3.94	2.38	2.41	1.54
13	2.06	1.20	2.32	3.56	.40	.78	2.74	2.88	2.39	3.42	2.96	3.05
14	2.64	2.28	1.52	3.13	1.88	2.64	3.77	2.49	5.21	2.23	2.96	3.07
15	3.14	1.69	1.41	2.37	3.59	2.61	8.56	2.09	1.22	2.49	3.04	2.46
16	1.76	2.54	2.60	2.91	2.12	3.37	2.61	3.65	2.01	4.50	5.28	2.99
17	2.73	2.42	1.95	1.60	2.84	1.16	4.25	3.21	3.21	2.51	4.10	1.54
18	4.19	1.81	2.28	2.55	2.41	2.70	2.70	3.68	5.65	2.92	4.32	3.14
19	2.78	1.84	3.00	1.57	1.44	2.23	2.93	2.26	4.17	3.22	3.91	3.09
20	2.84	1.82	1.67	1.48	3.32	2.33	2.40	7.34	3.93	3.84	4.47	1.99
21	2.99	2.06	1.60	1.98	2.20	1.56	2.63	2.48	3.30	3.39	2.46	2.82
22	3.47	2.84	2.42	1.04	1.52	1.58	1.98	5.17	3.39	5.78	3.63	4.03
23	2.04	1.37	2.25	2.26	4.01	1.14	2.37	3.06	2.66	5.38	2.63	2.48
24	3.05	2.67	2.41	1.72	2.34	1.78	2.18	1.90	2.06	4.89	3.49	2.53
25	3.68	3.81	1.46	2.59	4.65	1.94	2.96	5.81	2.20	5.62	1.98	2.72
26	4.06	3.94	1.40	2.08	3.26	1.15	4.37	2.67	3.10	4.24	2.94	3.69
27	2.36	1.85	2.69	2.91	4.22	1.63	3.75	3.37	2.00	5.11	3.89	4.98
28	5.86	1.33	2.70	2.61	1.93	6.09	3.21	3.65	1.39	1.94	2.72	3.56
29	3.35	1.17	2.13	2.33	2.26	1.70	1.21	5.59	3.97	4.52	3.14	2.71
30	4.10	–	1.94	1.92	4.46	3.33	2.00	2.87	3.61	2.80	4.74	4.35
31	4.49	–	2.68	–	3.18	–	3.15	1.87	–	3.49	–	4.06

TABLE IVa. 35-Year Daily Totals of Rainfall, in inches,

1916–1950

BATH

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	5.33	4.68	1.91	2.07	3.42	2.18	2.98	3.35	3.05	2.43	5.49	5.57
2	2.87	4.28	1.48	3.32	1.62	1.47	2.53	2.84	4.49	2.61	5.26	2.82
3	2.95	4.18	2.07	4.82	2.12	1.43	2.04	3.12	4.69	4.51	4.46	2.46
4	2.41	1.95	3.40	3.42	2.12	2.24	2.06	3.25	1.82	3.06	4.41	3.68
5	3.74	2.90	2.83	3.66	3.26	2.66	4.22	2.98	2.47	4.82	5.19	2.68
6	3.56	2.57	2.35	1.92	1.99	1.79	4.15	3.07	1.90	2.30	4.24	3.56
7	2.08	3.53	2.43	2.33	3.39	1.36	3.25	2.56	1.72	5.61	2.97	3.66
8	2.40	3.22	1.52	1.88	2.16	2.19	2.72	2.52	2.43	4.47	3.94	3.29
9	3.41	2.65	1.26	2.46	1.61	2.43	2.50	2.75	2.61	2.39	3.29	2.35
10	4.76	2.80	2.47	2.43	2.42	2.08	2.96	4.89	1.89	2.93	2.64	3.65
11	3.91	2.56	2.20	2.61	1.96	2.24	4.40	2.54	2.38	2.95	3.97	2.32
12	4.48	2.38	1.86	1.50	3.43	3.74	2.28	3.03	5.47	2.65	1.43	1.46
13	1.81	1.35	3.04	3.47	.91	1.82	3.82	1.99	2.50	2.75	3.91	3.37
14	2.82	2.52	2.23	3.62	2.09	2.13	3.67	2.58	3.68	2.14	3.07	3.64
15	3.70	2.02	1.03	2.89	2.20	1.59	6.39	1.81	1.59	2.64	3.42	2.78
16	1.85	2.91	2.97	3.26	2.02	1.85	1.53	2.64	2.72	3.20	4.98	2.24
17	3.56	3.12	2.46	1.76	2.00	1.89	4.36	3.33	4.47	4.49	4.10	1.47
18	4.74	1.32	2.00	1.93	2.34	2.60	2.93	2.85	4.66	2.77	4.62	2.82
19	2.61	2.05	3.26	2.35	1.69	1.95	2.44	2.45	6.79	3.14	4.59	2.64
20	2.64	1.77	2.60	1.48	3.95	1.48	2.43	3.38	3.45	4.24	4.08	1.93
21	2.81	2.12	2.57	1.97	1.41	1.16	2.89	4.29	2.90	3.96	2.96	3.15
22	3.14	3.28	2.16	.81	1.41	1.42	2.36	4.48	3.09	5.48	3.36	4.16
23	1.87	1.94	1.59	1.61	4.37	1.37	2.74	2.89	2.76	5.21	3.77	2.34
24	3.32	3.56	2.30	1.43	1.80	1.90	2.38	1.97	1.94	4.62	2.05	3.02
25	3.91	4.65	1.85	2.92	4.72	3.88	2.64	3.34	1.52	5.31	2.06	4.20
26	3.68	3.98	1.08	1.70	4.08	1.20	4.34	2.87	1.51	4.65	2.71	4.32
27	2.24	3.00	4.42	2.82	4.18	2.39	4.53	4.72	1.41	4.08	3.57	5.78
28	6.13	1.70	2.71	1.93	2.61	3.15	2.48	5.06	1.81	2.03	4.14	4.60
29	2.58	.91	2.02	2.19	3.51	1.71	1.66	6.97	3.80	4.87	2.21	3.78
30	3.58	–	1.08	3.15	2.82	2.64	4.41	2.56	3.72	3.01	4.66	4.75
31	5.34	–	3.66	–	2.48	–	2.66	1.95	–	4.35	–	4.15

Table IVb Rainfall totals in inches, divided by 35, thus giving 35-year means ranging from 'trace' to .70 in., for use with Table IVa.

Totals in inches x			35 yr means $\bar{X}/_{35}$		Totals in inches x			35 yr means $\bar{X}/_{35}$
	–	.17	'trace'		12.43	–	12.77	.36
.18	–	.52	.01		12.78	–	13.12	.37
.53	–	.87	.02		13.13	–	13.47	.38
.88	–	1.22	.03		13.48	–	13.82	.39
1.23	–	1.57	.04		13.83	–	14.17	.40
1.58	–	1.92	.05		14.18	–	14.52	.41
1.93	–	2.27	.06		14.53	–	14.87	.42
2.28	–	2.62	.07		14.88	–	15.22	.43
2.63	–	2.97	.08		15.23	–	15.57	.44
2.98	–	3.32	.09		15.58	–	15.92	.45
3.33	–	3.67	.10		15.93	–	16.27	.46
3.68	–	4.02	.11		16.28	–	16.62	.47
4.03	–	4.37	.12		16.63	–	16.97	.48
4.38	–	4.72	.13		16.98	–	17.32	.49
4.73	–	5.07	.14		17.33	–	17.67	.50
5.08	–	5.42	.15		17.68	–	18.02	.51
5.43	–	5.77	.16		18.03	–	18.37	.52
5.78	–	6.12	.17		18.38	–	18.72	.53
6.13	–	6.47	.18		18.73	–	19.07	.54
6.48	–	6.82	.19		19.08	–	19.42	.55
6.83	–	7.17	.20		19.43	–	19.77	.56
7.18	–	7.52	.21		19.78	–	20.12	.57
7.53	–	7.87	.22		20.13	–	20.47	.58
7.88	–	8.22	.23		20.48	–	20.82	.59
8.23	–	8.57	.24		20.83	–	21.17	.60
8.58	–	8.92	.25		21.18	–	21.52	.61
8.93	–	9.27	.26		21.53	–	21.87	.62
9.28	–	9.62	.27		21.88	–	22.22	.63
9.63	–	9.97	.28		22.23	–	22.57	.64
9.98	–	10.32	.29		22.58	–	22.92	.65
10.33	–	10.67	.30		22.93	–	23.27	.66
10.68	–	11.02	.31		23.28	–	23.62	.67
11.03	–	11.37	.32		23.63	–	23.97	.68
11.38	–	11.72	.33		23.98	–	24.32	.69
11.73	–	12.07	.34		24.33	–	24.67	.70
12.08	–	12.42	.35					

TABLE V. Accumulated Frequencies of Daily Rainfall Amounts (in inches), 1916–1950,

TAUNTON

Daily Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	All months
IV 4.30						1							1
2.70						1				1			2
2.50						1				1			2
2.40						1				1			2
2.30						1				1			2
2.20						1				1			2
2.10						1				1			2
2.00						1				1			2
1.90						1			1	2			4
1.80					1	1			1	2			5
1.70					2	1	1		1	2			7
1.60					2	1	2	2	1	2			10
1.50	1				2	1	2	3	2	2	1	1	15
1.40	1				2	1	2	3	3	2	2	1	17
1.30	1	1	1		2	1	3	3	3	3	2	2	22
1.20	2	3	1		2	1	3	5	4	3	4	2	30
1.20	2	5	4		3	1	3	5	5	6	6	2	42
1.00	2	6	4		6	1	4	5	7	10	9	4	58
0.90	3	7	4	2	9	1	5	8	11	12	14	4	80
0.80	8	9	8	4	12	3	10	14	17	14	21	8	128
0.70	16	11	10	5	17	9	16	18	20	21	31	17	191
0.60	24	18	17	16	21	14	23	19	30	36	38	31	287
0.50	46	28	26	22	35	26	37	26	43	52	64	47	452
0.40	75	44	45	37	52	41	58	43	62	76	81	79	693
0.30	119	76	64	61	75	53	89	81	91	112	119	121	1061
0.20	180	125	110	112	126	91	131	142	140	182	185	188	1712
0.10	316	226	201	218	233	162	210	227	226	299	317	326	2961
IV 0.005	650	498	480	505	476	401	488	495	488	614	614	646	6355
VI *0.004	435	491	605	545	609	649	597	590	562	471	436	439	6429
Total No. of Days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days

TABLE V. Accumulated Frequencies of Daily Rainfall Amounts (in inches), 1916–1950

MILLFIELD, STREET

Daily Totals	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	All months
IV 5.10						1							1
3.20						1	1						2
2.50						1	1						2
2.40						1	1						2
2.30						1	1						2
2.20						1	1						2
2.10						1	1						2
2.00						1	1						2
1.90						1	1	1					3
1.80						1	1	1		1			4
1.70					1	1	1	1		1			5
1.60					1	1	1	1		1			5
1.50					1	1	1	3	2	1	1		10
1.40		1			2	1	1	3	3	3	1		15
1.30	1	1			3	2	1	4	3	4	1		20
1.20	1	1			3	2	2	6	5	4	4		28
1.10	2	2			3	2	4	7	6	5	5		36
1.00	2	2			5	3	5	12	8	6	6	2	51
0.90	3	3	1		7	4	8	13	10	8	7	4	68
0.80	8	3	2	1	9	5	11	20	12	12	12	6	101
0.70	15	7	6	2	13	8	16	28	20	21	20	9	165
0.60	21	11	10	5	20	15	25	40	32	30	32	16	257
0.50	32	19	15	15	32	24	44	59	41	54	46	37	418
0.40	60	40	34	32	54	43	64	80	65	84	85	61	702
0.30	102	74	63	67	83	70	112	118	96	133	131	109	1158
0.20	174	119	113	127	148	119	179	177	147	199	196	176	1874
0.10	320	232	224	238	242	194	270	290	253	315	314	335	3227
IV 0.005	587	443	444	473	435	376	483	500	467	535	555	587	5885
VI *0.004	498	546	641	577	650	674	602	585	583	550	495	498	6899
Total No. of days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days.

TABLE V. Accumulated Frequencies of Daily Rainfall Amounts, (in inches), 1916–1950

BATH

Daily Totals	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	All months
IV 2.50													
2.40													
2.30													
2.20						1							1
2.10						1							1
2.00						1							1
1.90						2	1				1		4
1.80						2	1				1		4
1.70						2	1	1		1	1		6
1.60			1			2	1	1	1	1	1		8
1.50	1		1			2	1	2	2	1	2		12
1.40	1	1	1		1	2	1	2	2	3	2		16
1.30	1	1	1		1	2	1	3	2	3	3		18
1.20	3	1	2		1	2	4	4	4	3	4		28
1.10	5	3	2	1	4	2	6	6	6	7	6	1	49
1.00	7	3	2	1	4	3	6	8	6	10	8	2	60
0.90	9	3	3	1	6	3	10	11	10	13	12	2	83
0.80	10	6	4	4	8	3	15	15	15	18	17	6	121
0.70	18	10	8	6	8	4	20	20	26	29	26	13	188
0.60	25	18	15	10	15	6	29	35	33	43	37	21	287
0.50	37	32	25	25	30	19	47	57	48	64	53	42	479
0.40	62	52	45	49	57	37	75	73	66	96	84	79	775
0.30	101	86	74	75	98	67	116	100	103	136	130	113	1199
0.20	187	147	125	132	148	113	168	173	138	186	197	196	1910
IV 0.10	338	254	218	228	239	184	263	276	242	310	304	320	3176
0.005	619	470	457	504	470	398	503	495	480	542	567	584	6098
IV *0.004	466	519	628	546	615	652	582	590	570	543	483	501	6695
Total No. of days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days.

TABLE VI. Maximum and Minimum Monthly and Annual Totals of Rainfall (in inches) 1916–1950, with supplementary list covering extremes for the 50-year period, 1911–1960

		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Taunton														
		1943	1923	1947	1935	1942	1917	1918	1917	1927	1932	1929	1929	1937
	Max.	5.74	7.86	5.49	4.25	5.52	6.20	4.51	4.84	5.30	5.71	8.36	7.98	38.13
1916–50														
		1950	1932	1938	1938	1919	1925	1934	1940	1929	1931	1933	1926	1921
	Min.	0.53	0.08	0.07	0.11	0.43	0.05	0.29	0.14	0.51	0.45	0.64	0.30	15.55
		1913						1914	1912		1960		1911	1960
	Max.	6.12						5.26	5.68		10.66		9.34	10.72
1911–60														
		1953			1957	1956		1911		1959		1956		
	Min.	0.45			0.03	0.28		0.10		0.16		0.62		
Street														
		1943	1923	1947	1935	1942	1917	1936	1917	1927	1924	1929	1934	1924
	Max.	5.60	6.42	5.07	4.09	5.18	6.53	6.82	6.76	6.51	5.92	7.31	5.73	40.51
1916–50														
		1950	1932	1944	1938	1939	1925	1921	1940	1929	1931	1933	1926	1921
	Min.	0.33	0.01	0.18	0.05	0.56	0.03	0.29	0.34	0.35	0.47	0.68	0.49	16.68
				1914							1960		1911	
	Max.			5.25							7.74		7.12	
1911–60														
					1957	1956		1911		1959				
	Min.				0.03	0.37		0.10		0.14				
Bath														
		1948	1923	1947	1935	1942	1935	1936	1917	1918	1916	1940	1934	1935
	Max.	5.97	6.54	4.95	5.05	4.71	4.73	5.84	7.59	6.80	7.00	8.17	6.17	39.72
1916–50														
		1950	1932	1938	1938	1919	1925	1921	1940	1929	1947	1945	1926	1921
	Min.	0.53	0.03	0.09	0.11	0.59	0.00	0.61	0.07	0.44	0.29	0.31	0.43	17.29
				1912							1960		1911	1960
	Max.			5.68							7.54		7.09	42.24
1911–60														
						1956		1911						
	Min.					0.47		0.00						

TABLE VII Maximum Daily Rainfall, (in inches), 1916–1950, with additional maxima for the 50-year period

1911–1960

		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Taunton Vivary Park	(	1918	1927	1947	1941	1931	1917	1937	1946	1949	1929	1926	1922
1916–50	(Max	1.58	1.30	1.32	0.92	1.88	4.33	1.71	1.64	1.95	2.75	1.56	1.56
	(				1960			1914					
1911–60	(Max				0.92			2.18					
Street, Millfield	(	1927	1950	1919	1946	1944	1917	1937	1916	1943	1929	1926	1922
1916–50	(Max	1.38	1.48	0.90	0.85	1.74	5.13	3.27	1.98	1.58	1.84	1.50	1.06
	(								1960				1955
1911–60	(Max								2.05				1.32
Bath, Henrietta Pk	(	1927	1933	1916	1939	1946	1917	1937	1942	1938	1929	1940	1919
1916–50	(Max	1.53	1.49	1.61	1.16	1.40	2.24	1.99	1.74	1.65	1.79	1.97	1.12
	(					1952							1960
1911–60	(Max					1.57							2.05

Appendix I

Intense Falls of Rain in 2 hours or less 1860–1960
Extracted from British Rainfall

Arranged in chronological order under county headings.

Year	Class	Station	Riv. div.	Date	Amt. in.	D'r'n min.	Date in/hr.
Wiltshire							
1865	R	Trowbridge, Holbrook Farm	1	July 6	1.25	20	3.75
1871	R	Trowbridge, Sunnyside	1	Aug. 13	1.53	60	1.53
1875	VR	" "	1	July 22	2.53	60	2.53
1893	N	Devizes, County Asylum	1	June 14	.99	20	2.97
1896	N	" " "	1	July 7	.80	30	1.60
1901	N	Calne, Calstone Vic.	1	July 13	1.12	60	1.12
1911	N	Corsley, Sturford Mead	1	July 21	.99	45	1.32
1918	N	" " "	1	Sep. 5	1.23	50	1.47
1927	R	Westbury Vic.	1	July 12	1.91	40	2.87
1927	R	Westbury Cambridge Ho.	1	July 12	1.73	40	2.59
1930	N	Westbury Vic.	1	June 13	1.03	45	1.37
1930	N	Westbury Cambridge Ho.	1	June 13	.92	45	1.23
1930	N	Devizes, Highclere	1	June 13	1.38	120	.69
1933	VR	Chippenham, Monkton Pk.	1	Sep. 26	4.31	120	2.15
1934	R	Trowbridge, Town Hall	1	Sep. 15	1.25	10	7.50
1934	N	" " "	1	July 12	1.15	60	1.15
1935	N	" " "	1	June 25	.94	29	1.95
1935	VR	Melksham, Beechfield	1	June 25	2.50	60	2.50
1935	R	Devizes, Broadleas	1	June 25	1.87	80	1.40
1935	VR	Seend, Ferrum Towers	1	June 25	2.85	105	1.63
1936	N	Trowbridge, Town Hall	1	June 29	1.02	60	1.02
1939	N	Westbury, Braemar	1	July 21	.92	30	1.84
1948	N	Trowbridge, Town Hall	1	May 11	1.44	75	1.15
1949	R	Great Somerford, The Beeches	1	Aug. 27	2.06	80	1.55
1950	N	Lyneham Airfield	1	May 21	1.06	60	1.06
1952	VR	Worten, The Grange	1	Aug. 15	2.27	45	3.03
1954	N	Westbury, Braemar	1	Aug. 12	.56	10	3.36
1955	N	Market Lavington, Chestnut Cott.	1	June 8	1.15	90	.77
1956	N	Malmesbury, Elm Lease	1	July 17	1.10	60	1.10
1958	N	Devizes, Grammar Sch.	1	Aug. 22	1.07	30	2.14
1960	N	Lyneham A/fd.	1	June 22	1.50	120	.75
Gloucestershire							
1876	R	Bristol, Ashley Down	5	Aug. 19	1.53	30	3.06
1876	N	" " "	5	Aug. 19	1.08	60	1.08
1903	N	Bristol, Fishponds	5	May 9	1.00	30	2.00
1903	R	Chipping Sodbury, Stansnawes	5	July 18	1.50	45	2.00
1914	R	Bristol, Telephone Avenue	5	July 1	1.20	20	3.60
1914	N	Clifton, Pembroke Rd.	5	July 1	1.00	45	1.33
1915	N	" " "	5	July 4	1.07	30	2.14
1915	N	Stapleton, Milton Cott.	5	July 4	.88	30	1.76
1927	R	Bristol, Telephone Avenue	5	July 11	1.55	30	3.10
1935	R	Horfield	5	Sep. 22	1.48	60	1.48
1935	N	Frampton Cotterell, Park Ho.	5	June 25	1.29	120	.65
1936	VR	Clifton, Oakfield Rd.	5	June 29	1.95	30	3.90
1936	N	Bristol, Hopewell Hill	5	June 29	1.47	75	1.18
1936	VR	Bristol Tyndalls Pk.	5	June 29	2.00	40	3.00
1936	R	Horfield	5	June 29	1.56	70	1.34
1936	N	"	5	June 29	1.64	120	.82
1937	N	"	5	July 15	1.42	120	.71
1942	R	Frampton Cotterell, Park Ho.	5	Aug. 29	2.31	120	1.15
1952	N	Bristol, Filton	5	June 13	1.30	60	1.30
1952	N	" "	5	July 6	.98	60	.98
1959	N	Bristol, Hopewell Hill	5	July 25	1.41	120	.71
1959	R	Brislington	5	July 25	2.18	60	2.18

Year	Class	Station	Riv. div.	Date	Amt. in.	D'r'n min.	Date in/hr.
Somersetshire							
1877	N	Bath, Weston	1	Aug. 14	1.33	60	1.33
1878	N	Crewkerne, Bincombe Ho.	3	June 17	1.09	60	1.09
1878	N	Bath, Weston	1	June 30	1.46	60	1.46
1878	N	Crewkerne, Bincombe Ho.	3	May 10	1.50	75	1.20
1882	VR	Bath	1	July 1	1.90	30	3.80
1884	N	Temple Combe, Stowell Rec.	3	June 28	1.42	120	.71
1887	N	Wivelscombe, Willett Ho.	4	July 15	1.09	30	2.18
1887	N	Frome, Rock House, Mells	1	July 14	1.35	60	1.35
1888	N	Bishop's Lydeard	3	July 16	1.60	90	1.07
1892	VR	Flax Bourton, Tyntesfield	2	July 16	3.75	120	1.87
1895	R	Taunton, Cothelstone Ho.	3	Apr. 17	1.70	30	3.40
1895	N	Taunton, Halse	3	Apr. 17	1.20	90	.80
1895	N	Abbots Leigh	1	May 24	1.15	90	.77
1897	N	East Harptree Court	1	Aug. 20	1.08	60	1.08
1900	N	Taunton, Cothelstone Ho.	3	July 12	.96	20	2.88
1903	N	Minehead, Porlock	4	June 17	1.00	20	3.00
1903	N	Crewkerne, Merefield House	3	May 28	1.13	90	.75
1904	N	Ilminster	3	Aug. 23	1.10	80	.85
1904	N	Ilminster	3	Aug. 23	1.40	120	.70
1906	R	Harptree Court	1	May 13	1.35	42	1.93
1907	VR	Bath, Somerset Place	1	July 21	2.49	70	2.13
1907	N	Quantoxhead, St. Audries	4	July 22	1.54	90	1.03
1910	N	Holford, Woodlands Ho.	4	May 22	1.62	120	.83
1911	R	East Harptree Court	1	Aug. 21	2.23	66	2.03
1911	R	Nordrach-on-Mendip	2	July 26	1.74	75	1.39
1914	R	Yeovil, Coker Court	3	June 14	2.27	100	1.36
1915	R	Flax Bourton, Blackwell Hill	2	July 4	1.14	25	2.74
1915	N	" " " "	2	July 4	.82	25	1.97
1917	R	North Cadbury Rec.	3	July 15	1.50	45	2.00
1924	R	North Cadbury Court	3	May 31	2.18	120	1.09
1924	N	Crewkerne, Merefield House	3	May 31	1.38	120	.69
1925	N	Portishead, W.W.	1	July 2	.90	25	2.16
1925	R	Blogdon P. Stn.	2	Aug. 20	1.80	60	1.80
1925	N	Winscombe, The Down	2	Aug. 20	1.37	75	1.10
1925	N	Litton Sherborne Res.	1	July 18	1.26	60	1.26
1925	N	Shepton Mallett, Pondsmead	1	July 17	1.40	90	.93
1925	VR	High Littleton Vic.	1	July 17	2.99	120	1.49
1925	N	Coombe St. Nicholas	3	July 18	1.53	120	.77
1925	N	Litton, Sherborne Res.	1	July 17	1.47	120	.73
1927	R	Stourgsey, Fairfield Ho.	4	July 11	1.01	15	4.04
1927	R	Hinton Blewett Manor	1	July 11	1.77	35	3.03
1927	R	Blogdon P. Stn.	2	July 11	1.88	40	2.82
1927	R	Wookey Vic.	2	July 11	1.61	70	1.38
1927	R	Litton, Sherborne	1	July 11	2.42	90	1.61
1928	N	Bath, Coombe Down	1	Aug. 27	1.05	60	1.05
1931	N	Pensford, Hurstrete Ho.	1	July 15	1.20	90	.80
1931	N	Walton, Canok Lo.	1	June 14	1.31	120	.65
1935	N	Langport, The Grange	3	Sep. 3	.81	15	3.24
1935	N	Bath, Lambridge Ho.	1	July 11	1.05	20	3.15
1935	N	Bath, Lower Swainswick	1	July 11	1.00	30	2.00
1935	N	Somerton, The Grange	3	Aug. 8	.79	30	1.58
1935	R	Ashbrittle, Kyrle	3	Aug. 8	1.70	90	1.13
1935	N	Long Ashton Research Stn.	1	July 11	1.54	90	1.03
1935	N	Bath, Henrietta Park	1	July 11	1.21	105	.69
1936	R	Shepton Mallet, Pondsmead	1	May 18	1.10	20	3.30
1936	N	Stogursey, Fairfield Ho.	4	June 19	1.00	30	2.00
1937	N	West Lambrook, Rodwell	3	July 15	.55	10	3.30

Year	Class	Station	Riv. div.	Date	Amt. in.	D'r'n min.	Date in/hr.
Somersetshire contd.							
1937	R	Street, Portway	2	July 15	1.21	25	2.90
1937	N	Cannington, Ashford	3	July 15	.90	36	1.50
1937	R	Street, Hill Close	2	July 15	1.50	40	2.25
1937	R	Angersleigh, Leigh Court	3	July 15	2.26	75	1.81
1937	N	Cannington, Farm Inst.	3	July 15	1.15	95	.73
1937	R	Radstock	1	July 15	2.39	120	1.19
1937	R	Bridgwater, Blake Gdns.	3	July 15	2.09	120	1.05
1937	N	Bridgwater, Wembdon Rd.	3	July 15	1.67	120	.83
1938	N	Ashbrittle, Kyrle	3	Aug. 4	.67	15	2.68
1938	R	Williton, Catwell	4	Aug. 1	1.25	30	2.50
1938	N	Somerton, The Grange	3	Aug. 10	.82	30	1.64
1938	N	Ditcheat Rec.	2	Aug. 1	.80	30	1.60
1938	R	Winscombe, The Down	2	Aug. 1	1.47	35	2.52
1938	R	Dunster, Castle Gdns.	4	Aug. 4	1.54	40	2.31
1939	N	Midsomer Norton, U.D.C.	1	July 21	1.04	35	1.78
1939	VR	Frome W.W., Egford	1	Aug. 21	2.47	75	1.98
1940	R	Wellington, Payton Ho.	3	Apr. 27	1.50	60	1.50
1941	N	Angersleigh, Leigh Ct.	3	Sep. 27	.85	30	1.70
1942	N	Burnham	2	Aug. 29	.81	15	3.24
1942	N	Long Ashton, Research Stn.	1	July 6	.89	20	2.67
1942	N	Chewton Mendip, The Priory	1	Aug. 30	1.00	30	2.00
1942	N	Somerton, The Grange	3	Aug. 29	.98	30	1.96
1942	N	Cossington Manor	2	Aug. 29	1.04	35	1.78
1942	N	Long Ashton, Research Stn.	1	Aug. 30	1.00	45	1.33
1942	VR	Burnham	2	Aug. 29	2.27	50	2.72
1942	N	Bath, Lower Swainswick	1	Aug. 29	1.78	120	.89
1943	R	Wiveliscombe, Bulland Ho.	3	Sep. 12	1.67	45	2.23
1943	R	Ashbrittle, Kyrle	3	Sep. 12	1.62	45	2.16
1943	VR	Williton, Catwell	4	Sep. 12	2.39	60	2.39
1944	R	Street, Hindhayes	2	May 30	1.12	20	3.36
1944	N	" "	2	May 30	.77	30	1.54
1944	N	Somerton, The Grange	3	May 30	1.12	41	1.64
1944	N	Street, Millfield	2	May 30	1.10	45	1.47
1944	N	Cossington Manor	2	May 30	1.16	50	1.39
1944	N	Weston-super-Mare, Clarence Pk.	2	May 30	.99	39	1.52
1947	N	Bath, Camden Rd.	1	July 30	1.48	60	1.48
1948	N	Stourgsey, Fairfield Ho.	4	July 28	.87	30	1.74
1948	VR	Holford, Dyche	4	July 28	2.57	50	3.08
1948	VR	" "	4	July 28	2.55	60	2.55
1948	VR	Kilve, Corner Close	4	July 28	2.33	60	2.33
1948	N	East Quantoxhead Rec.	4	July 28	1.20	70	1.03
1949	VR	Bridgwater, Cannington	3	July 17	1.87	30	3.74
1949	R	" "	3	July 17	1.40	30	2.80
1949	R	Portbury, The Farm	2	July 16	1.85	45	2.47
1949	VR	Holford	4	July 13	2.40	60	2.40
1949	N	Portishead	2	July 16	1.17	70	1.00
1949	R	Spaxton, Dore Ho.	3	July 17	2.11	75	1.69
1949	N	Orchardleigh Pk.	1	Aug. 29	1.33	90	.89
1949	N	Stolford, Whitewick Fm.	4	July 13	1.63	105	.93
1949	N	East Quantoxhead, Rec.	4	July 13	1.53	120	.77
1951	N	Weston-super-Mare	2	May 26	1.25	60	1.25
1952	R	North Cadbury	3	July 21	1.40	30	2.80
1952	R	Kingston St. Mary	3	June 13	1.40	50	1.68
1952	N	Bishops Lydeard	3	Aug. 6	1.43	60	1.43
1952	N	Crewkerne, Bincombe Ho.	3	June 13	1.21	65	1.12
1952	R	Wiveliscombe, Bowines	3	July 6	1.87	75	1.50
1952	N	Sampford Arundel, Sandfield	3	July 6	1.40	90	.93
1952	R	Barrow Gurney Res.	1	June 13	2.00	120	1.00
1952	N	Minehead, Blenheim Gdns.	4	May 20	.78	22	2.13
1952	N	" " "	4	July 6	1.32	72	1.10

Year	Class	Station	Riv. Div.	Date	Amt. in.	D'r'n min.	Date in/hr.
		Somersetshire contd.					
1953	N	Milverton, Spring Grove	3	June 26	1.05	75	.84
1954	R	Shepton Mallet, Pondsmead	1	Aug. 12	1.30	25	3.12
1954	R	Glastonbury, Hartlake Fm.	2	Aug. 12	1.43	35	2.45
1954	N	Bruton, South Brewham	2	Sep. 11	1.34	120	.67
1954	N	Ashcott, Bradley Cott.	2	Aug. 12	1.19	120	.59
1954	N	Litton, Sherborne Res.	1	Nov. 25	.85	28	1.82
1955	N	Bridgwater, Wembdon	3	July 12	.88	30	1.76
1955	N	East Anstey, Dassels	2	July 12	1.15	45	1.53
1955	N	Wiveliscombe, Bulland Ho.	3	June 6	1.20	90	.80
1955	N	Wootton Courtenay, Ford Cott.	4	June 6	1.15	95	.73
1956	N	Cossington	2	July 18	1.10	25	2.64
1956	VR	Long Ashton, School Hc.	1	Aug. 25	3.50	95	2.21
1958	N	Langport, Drayton	3	July 3	.84	20	2.52
1958	N	Broomfield, Higher Merridge	3	Aug. 19	.85	20	2.55
1958	N	Bridgewater, Pureton	2	Aug. 19	1.00	60	1.00
1958	N	Bickenhall	3	July 3	.67	18	2.22
1958	N	Kingston St. Mary, Yarford Orchard	3	July 4	2.09	60	2.09
1959	N	Winscombe, Wintrath	2	May 11	.75	11	4.09
1959	N	Egford, Frome W.W.	1	July 27	1.21	45	1.61
1959	N	Weston-super-Mare	2	Aug. 11	1.50	90	1.00
1959	N	Minehead, Blenheim Gdns.	4	Aug. 10	1.00	60	1.00
1960	R	Luxborough	4	Oct. 8	2.80	120	1.40
1960	R	Allenmoor P. Sta.	3	Aug. 27	2.18	120	1.09
1960	N	Bridgwater, Northmoor P. Sta.	3	Aug. 27	1.36	48	1.70
Dorsetshire							
1883	N	Beaminster, Chedlington	1	June 29	1.00	30	2.00
1924	N	Sherborne Castle	1	May 31	1.44	60	1.44
1939	N	" "	1	July 19	.65	15	2.60
1940	R	Sherborne, Barton Gdns.	1	Oct. 16	1.52	60	1.52
1952	VR	Sherborne, Seafield Cott.	1	Aug. 15	2.29	60	2.29
1952	N	" " "	1	Aug. 15	1.27	60	1.27
1952	R	Sherborne, Sew. Wks.	1	Aug. 15	2.11	80	1.58
1952	R	Sherborne, Barton Gdns.	1	Aug. 15	1.89	80	1.42

From British Rainfall up to 1960.

Key: N - Noteworthy
R - Remarkable
VR - Very Rare

County	Riv. Div.	Rivers
Wiltshire	1	Lower Avon
Gloucestershire	5	Lower Avon
Somerset	1	Lower Avon
	2	Yeo. Axe & Brue
	3	Parrett
	4	*North Coast Streams
Dorset	1	Parrett

*(Note: Some stations involved in this group are just outside the area in that of the Devon River Board).

Fig 1 Average Monthly Rainfall as a percentage of Average Annual Rainfall 1916—50

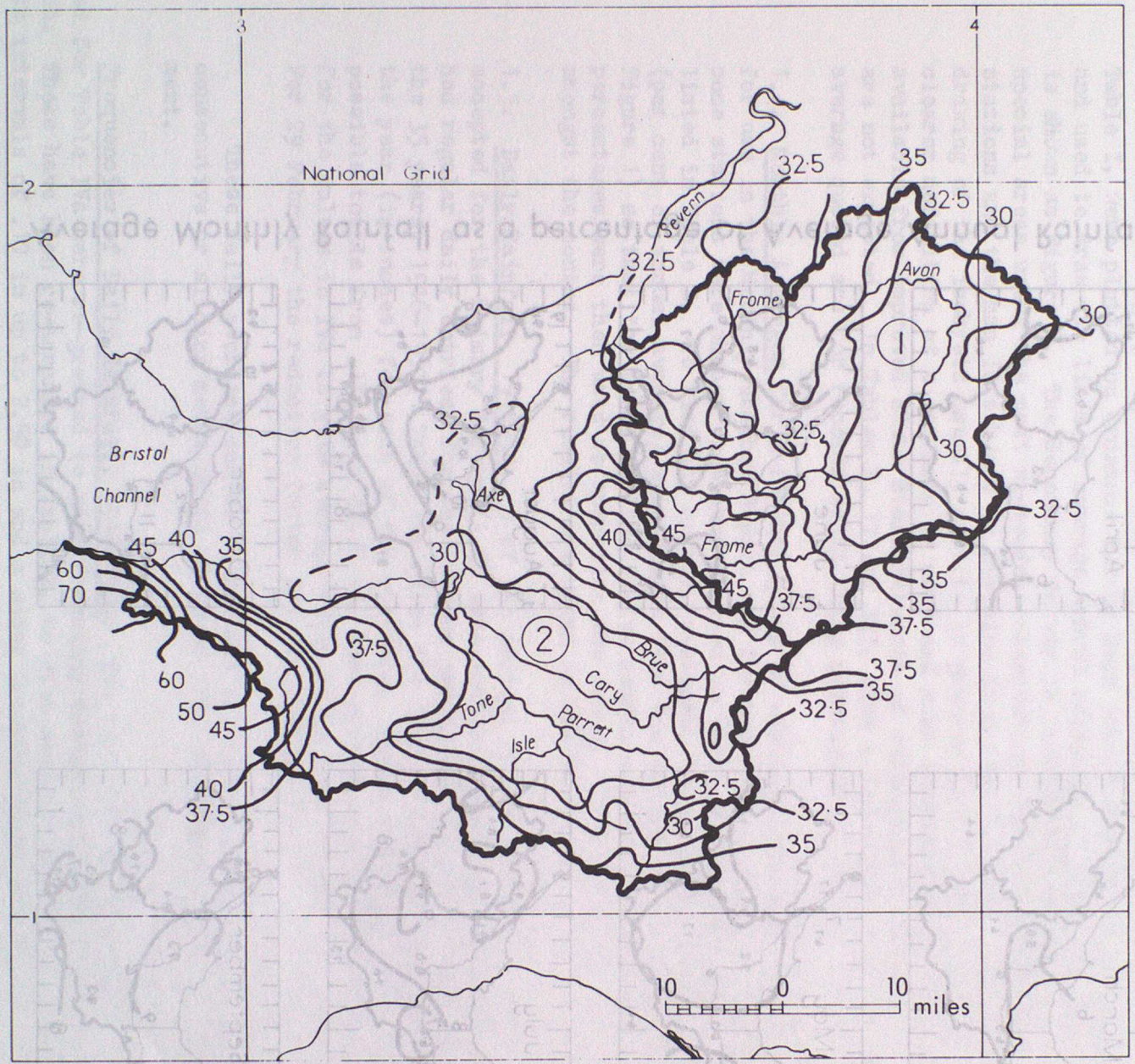

Fig 2 Average Annual Rainfall 1916—50, (in inches) over the River Board areas of

① Avon (Bristol) ② Somerset